## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| In re Application of:   |  | §   | Group Art Unit:  | Unassigned   |
|---|--|---|--|--|
| Eunjin-Jung, et al.   |  | §   |  | _  |
|   |  | §   |  |  |
| No.:  | Unassigned                                     | §   |  |  |
|   |  | §   | Examiner:  | Unassigned   |
| Filing Date: Herewith   |  | §   |  |  |
|   | •  | §   |  |  |
| Title: Controlling Delivery of Broadcast Encryption Content for a Network Cluster from a Content Server Outside the Cluster |  | §   | Docket No.:  | AUS920031064US1  |
|   |  | §   |  |  |
|   |  | §   |  |  |
|   |  | §   |  |  |
|   | Jung, et  No.:  Date:  Control Encrypt Cluster | Jung, et al.  No.: Unassigned  Date: Herewith  Controlling Delivery of Broadcast Encryption Content for a Network Cluster from a Content Server Outside | Jung, et al.  No.: Unassigned  State: Herewith  Controlling Delivery of Broadcast Encryption Content for a Network Cluster from a Content Server Outside  State  State S | Jung, et al.  So.: Unassigned  Solute: Herewith  Controlling Delivery of Broadcast Encryption Content for a Network Cluster from a Content Server Outside  Solution  S |

## INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Submitted herewith are patents, publications or other information of which the undersigned is aware, which he believes may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR 1.56.

While this Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

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A list of the patents(s) and/or publications(s) is set forth on the attached Form PTO/SB/08a & b.

A concise explanation of the items listed on PTO/SB/08a is not given.

The person making this statement is the attorney who signs below on the basis of the information in the attorney's file.

|       | Respectfully submitted,     |          |
|-------|-----------------------------|----------|
| Date: | By: hullum                  | <u>~</u> |
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|   | Substitute for form 1449/PTO      | Complete if Known      |                 |  |
|---|-----------------------------------|------------------------|-----------------|--|
|   |                                   | Application Number     | Unknown         |  |
|   | INFORMATION DISCLOSURE            | Filing Date            | Herewith        |  |
|   |                                   | First Named Inventor   | Eunjin-Jung     |  |
|   | STATEMENT BY APPLICANT            | Art Unit               | Unknown         |  |
|   | (Use as many sheets as necessary) | Examiner Name          | Unknown         |  |
| し | Sheet 1 of 2                      | Attorney Docket Number | AUS920031064US1 |  |

|                       |              |  | U. S. PATENT                   | DOCUMENTS  |   |
|-----------------------|--------------|--|--------------------------------|--|---|
| Examiner<br>Initials* | Cite<br>No.1 | Document Number  Number-Kind Code <sup>2 (f known)</sup> | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                       |              | <sup>US-</sup> 2003/0198351 A1                           | 10-23-2003                     | Foster et al.                                      |   |
|                       |              | US-  |                                |  |   |
|                       |              | US-  |                                |  |   |
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|                              |          | FORE  | IGN PATENT DOCU     | JMENTS   |   |                |
|------------------------------|----------|---|---------------------|--|---|----------------|
| Examiner Cite Initials* No.1 |          | Foreign Patent Document   | Publication<br>Date | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages |                |
|                              |          | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) | MM-DD-YYYY          |  | Or Relevant Figures Appear                        | T <sup>6</sup> |
|                              |          | EP 1045585 A1   | 10-18-2000          | CANAL+ Societe                                     |   |                |
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| Examiner  | Date       |  |
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| Substitute for form 1449/PTO   |                  |          |          | Application Number   | Unknown         |  |
| INFO   | DRMATION         | DIS      | CLOSURE  | Filing Date  | Herewith        |  |
| STATEMENT BY APPLICANT   |                  |          | PPLICANT | First Named Inventor   | Eunjin-Jung     |  |
|  | (Use as many she | ote se n | eressan) | Art Unit   | Unknown         |  |
| (ose as many sheets as necessary)  |                  |          |          | Examiner Name  | Unknown         |  |
| Sheet  | 2                | of       | 2        | Attorney Docket Number   | AUS920031064US1 |  |

|                       |                          | NON PATENT LITERATURE DOCUMENTS   |  |  |
|-----------------------|--------------------------|---|--|--|
| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of   |  |  |
|                       |                          | WILLIAM SHAPIRO et al.; How to Manage Persistent State in DRM Systems; Technical Report STAR-TR-01-06; Aug 2001; pp 1-11; InterTrust Technologies Corporation; US |  |  |
|                       |                          | JEFFREY LOTSPIECH et al.; Broadcast Encryption's Bright Future; Aug 2002; pp 57-63; IEEE; US  |  |  |
|                       |                          | CPSA: A Comprehensive Framework for Content Protection; Feb 17, 1000; pp1-19;Intel Corporation, et al.; US  |  |  |
|                       |                          | Content Protection System with Media Key Block for Video-on-Demand; Article No. 455171; March 2002; pp 526-530; Research Disclosure; US                           |  |  |
|                       |                          | xCP: eXtensible Content Protection; 2003; pp 1-5; IBM Research Division Almaden Research Center; IBM; US  |  |  |
|                       |                          | Content Protection System with Public Key Block for Video-on-Demand; Article No. 455168; March 2002; pp 524-526; Research Disclosure; US                          |  |  |
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